

9. Process according to claim 1, wherein the atmosphere comprises gas, vapors, mists, dusts, emulsions or combustible grains, mixed or in contact with oxygen or air.
10. Process according to claim 1, wherein the atmosphere is in a confined or semi-confined environment.
11. Process according to claim 4, wherein the atmosphere is in a flat silo or in contact with the surface of semi-confined bulk storage.
12. Process according to claim 1, wherein the fertilizers are chemical fertilizers or ammonium nitrates.
13. Process according to claim 1, wherein the fuel tanks are storage tanks of hydrocarbons chosen from the group consisting of kerosene, fuels, methane, butane and propane.
14. Process according to claim 7, wherein the hydrocarbon tank is a truck, aircraft or boat tank.
15. Process according to claim 1, wherein use is made of alarm means for preventing spontaneous ignition and/or explosion of said atmosphere when the induction time elapsed from the moment of creation of said atmosphere approaches the critical moment ( $t_i$ ) of spontaneous ignition.

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